

Exhibit 2

CAL FIRE



CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION SONOMA-LAKE NAPA UNIT

1199 Big Tree Road
St. Helena, CA 94574

INVESTIGATION REPORT

CASE NUMBER: 17CALNU010045

CASE NAME: Tubbs

DATE: October 8, 2017

INCIDENT TYPE: Wildland Fire

INCIDENT INVESTIGATOR(s): John MARTINEZ, Battalion Chief – CZU
Vince BERGLAND, Battalion Chief, CSR
Matt FRANKLIN, Fire Captain, BDU
Mark FRITS, Battalion Chief - TGU
Scott LOHSE, Fire Captain – TGU
Greg ROATH, Fire Captain – SKU
Mike THOMPSON, Battalion Chief - CNR

1 **1 - VIOLATION(S):**

2 None

3

2 - SUMMARY:

On the evening of Sunday, October 8, 2017 a red flag warning was in effect throughout the North Bay including Napa County. Temperatures that evening were in the 60's to lower 70's, with humidity in the 10-18% range. Wind models later prepared by CAL FIRE Northern Operations Predictive Services estimated ridgetop winds could have reached 55 to 90 mph. At approximately 9:41 P.M. Michelle HICKMAN (M. HICKMAN), a resident of Calistoga, CA reported a fire occurring in the area of Hwy 128 and Tubbs Road. The fire was named the Tubbs Fire and eventually burned 36,807 acres in both Napa and Sonoma Counties and destroyed 5636 structures including 4651 residential structures, 94 commercial properties and 891 outbuildings. The fire damaged an additional 230 residential structures, 22 commercial structures and 65 outbuildings. The Tubbs Fire included 22 civilian fatalities.

On October 9, 2017, I arrived at approximately 2:30 P.M. in Napa County to assist with the origin and cause investigation of the Tubbs Fire. On October 11, 2017 I was assigned as the lead investigator to conduct an origin and cause investigation for the Tubbs Fire. During the course of my investigation I located a General Origin Area (GOA) and subsequently a Specific Origin Area (SOA) on a privately-owned parcel off of Bennett Lane in Calistoga, CA. After a thorough, systematic investigation, taking into account witness statements, opinions of experts, physical evidence, collected electronic data, and fire direction indicators, the SOA of the Tubbs fire is near the primary residential structure and immediate area surrounding the structure at 1128 Bennett Lane. During my investigation, I eliminated all other causes for the Tubbs Fire, with the exception of an electrical caused fire originating from an unknown event affecting privately owned conductor or equipment.

1 **3 - SUBJECT(S):**

2 None

3

4 - VICTIMS:

The Tubbs Fire included 22 civilian fatalities, listed below (by age and location of death):

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WITNESSES:

W1

Michelle HICKMAN (M. HICKMAN)

DOB: [REDACTED]

M. HICKMAN was the first reporting party to the Tubbs Fire. She can testify to what she saw from her residence the night of the fire on October 8, 2017.

W2

Ron RISI (R. RISI)

DOB: [REDACTED]

R. RISI can testify his power went off sometime after 9:00 P.M. on October 8, 2017. He also received a call from S. THOMPSON at an unknown time after 9:00 P.M. telling him there was a fire on the hillside and to get out. R. RISI can testify when he left his residence, he noticed the fire was to the south on the west side of Bennett Lane.

W3

Shawn THOMPSON (S. THOMPSON)

DOB: [REDACTED]

S. THOMPSON can testify that he was awoken by his wife on October 8, 2017, telling him there was a fire. He can also testify he observed flames in the backyard coming down the hill towards him and after he evacuated the house and parked on Hwy 128, he

LE80 (Rev. 7/2011)

1 noticed fire above his house coming down from where the ZINK'S house was.

2
3 W4

4 Linda THOMPSON (L. THOMPSON)

5 [REDACTED]
6 [REDACTED]

7 DOB: [REDACTED]

8 L. THOMPSON can testify she was in her house on the evening of October 8, 2017
9 when she heard smoke alarms began to ring and she could smell smoke. When leaving
10 the house there were embers flying and she couldn't tell where they were coming from.
11 She called 911 at 9:52 P.M. as she and S. THOMPSON drove down the driveway.

12
13 W5

14 Roger LUTZ III (R. LUTZ)

15 Napa County Fire

16 1199 Big Tree Road

17 St. Helena, CA 94574

18 DOB: [REDACTED]
19 [REDACTED]

20 R. LUTZ can testify on October 8, 2017 he was on E-221 on Division Z, and responded
21 to 1200 Bennett Lane, where he observed fire backing down slope towards the
22 residence.

23
24 W6

25 Jason TAMAGNI

26 Calistoga Fire Dept.

27 1113 Washington Street

28 Calistoga, CA 94515

29 [REDACTED]

30 TAMAGNI was one of the first fire resources on scene on October 8, 2017. He can
31 testify to fire behavior in the area of Hwy 128 and Bennett Lane.

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1

2 W7

3 Jaime OROZCO

4 Calistoga Fire Department

5 1113 Washington Street

6 Calistoga, CA 94515

7 707-942-2840

8 OROZCO can testify he was on E-419 the night of October 8, 2017. He observed the
9 fire on both sides of Hwy 128, from a wind driven fire from Bennett Lane.

10

11 W8

12 Mark RHODES

13 Electrical Engineer

14 3460 Zion Canyon Ct.

15 Pleasanton, CA 94588

16 [REDACTED]

17 RHODES can testify to the electrical systems near the water pump and private pole 1.

18

19 W9

20 Luis Alberto VARGAS-RIVERA (VARGAS)

21 [REDACTED]

22 [REDACTED]

23 DOB: [REDACTED]

24 [REDACTED]

25 On October 8, 2017, at approximately 10:05 P.M. VARGAS observed a fire on the hill
26 above 3452 Hwy 128. He can testify the fire had not yet burned onto the Wheeler
27 Farm, where he works.

28

29 W10

30 Dave KAROLY

31 CAL FIRE LIDAR

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jm

1 1300 U. Street
2 Sacramento, CA 94244
3 916-324-1644
4 Assisted in documenting the scene using LIDAR.
5

6 W11
7 Dan GREGORY
8 CAL FIRE LIDAR

9 1300 U. Street
10 Sacramento, CA 94244
11 916-323-1044
12 Assisted in documenting the scene using LIDAR.
13

14 W12
15 Susan SWENSON (S. SWENSON)

16 [REDACTED]
17 [REDACTED]
18 [REDACTED]

19 DOB: [REDACTED]
20 [REDACTED]

21 S. SWENSON can testify she had not been on the property since September 3, 2017
22 and is unaware of any problems associated with the property. She can testify Mike
23 ANDREWS is on the property at least once per week to make sure everything is
24 working properly and maintained.
25

26 W13
27 Mike ANDREWS
28 Caretaker for 1128 Bennett Lane, hired by property owner.
29 [REDACTED]
30 [REDACTED]
31 [REDACTED]

1 ANDREWS is the caretaker for the 1128 Bennett Lane property, hired by the ZINK
2 family. ANDREWS can testify to the maintenance and condition of the property, prior to
3 the Tubbs Fire.

4
5 W14

6 Gino DEGRAFFERIED
7 CAL FIRE Battalion Chief

8 DEGRAFFERIED was the first CAL FIRE Battalion Chief at scene and can testify to his
9 observations when he arrived on scene approximately 20 minutes after the initial
10 dispatch, including an estimation of wind conditions and size of the fire.

11
12 W15

13 Jim NOLT
14 Electrical Engineer
15 107 Blue Canyon Way
16 Folsom, CA 95630

17 [REDACTED]
18 NOLT can testify to his observations and analysis of the electrical systems identified
19 during the Tubbs Fire Investigation, as outlined in his report.

20
21 W16

22 Amy HUNTER
23 Officer, Napa Police Department
24 1539 1st Street
25 Napa, CA 94559
26 707-257-9223

27 HUNTER can testify to information she received regarding a subject seen on Silverado
28 Trail Road the day of the fire, miles from the GOA.

29
30 W17

31 Dale HOSKINS
LE80 (Rev. 7/2011)

1 Police Officer, Calistoga Police Department

2 1234 Washington Street

3 Calistoga, CA 94515

4 707-942-2810

5 HOSKINS was the first public officer at scene, prior to firefighters, where he took a
6 photograph of the fire. He can testify to his observations.

8 W18

9 Lucinda "Cindy" Ann YANT (L. YANT)

10 [REDACTED]
11 [REDACTED]
12 [REDACTED]
13 [REDACTED]

14 DOB: [REDACTED]

15 L. YANT can testify she was home on the night of October 8, 2017 and observed a fire
16 coming towards her residence. L. YANT provided photographs showing her
17 observations.

19 W19

20 Nicholaus LUTZ (N. LUTZ)

21 Deer Park Volunteer Fire Department

22 19710 Mountain Meadows North

23 Hidden Valley Lake, CA 95467

24 DOB: [REDACTED]
25 [REDACTED]

26 N LUTZ can testify to the where the fire was when he arrived on scene assigned to
27 Engine 21, with the Deer Park Volunteer Fire Department. He can also testify to the
28 fact the fire was backing northeast along Bennett Lane, and had not reached the 1200
29 Bennett Lane residence until late that evening and into the early morning hours of
30 October 9, 2017.

1 W20

2 Anne MISSEN

3 [REDACTED]

4 [REDACTED]

5 [REDACTED]

6 MISSEN can testify she saw the fire burn slowly from the south to the north, near the
7 area of [REDACTED] Bennett Lane, as viewed from her residence. MISSEN describes the fire
8 as fighting against the wind and slowly moving from left (south) to right (north)
9 throughout the night and the next day.

10

11 W21

12 Rob EBLING

13 Calistoga Fire Department

14 1113 Washington Street

15 Calistoga, CA 94515

16 707-337-2882

17 EBLING responded to the incident on the initial dispatch. He can testify the fire was
18 backing northeast on the hillside above Bennett Lane and when he arrived on scene it
19 had backed as far as the PG&E pole 1 on Bennett Lane.

20

21 W22

22 Mark OLACHEA

23 [REDACTED]

24 [REDACTED]

25 [REDACTED]

26 OLACHEA took photographs in the area of Tubbs and Bennett Lane, on October 9,
27 2017.

28

29 W23

30 Ken MILLER, CFI

31 Senior Fire Investigator
LE80 (Rev. 7/2011)



1 Fire Investigation Unit
2 Liberty Mutual Insurance
3 175 Berkeley Street
4 Boston, MA 02116

5 Cell: [REDACTED]

6 MILLER took photographs of tripped fuses on Bennett Lane and provided photographs
7 to the investigation team.

8

9 W24

10 Stephanie LONGTON

11 Bennett Lane Winery

12 405 Parkview Drive

13 Healdsburg, CA 95448

14 [REDACTED]

15 LONGTON provided video footage from a camera on the winery property showing first
16 sign of fire on hillside at approximately 9:36 P.M. on October 8, 2107.

17

18 W25

19 Whitney RAMPP

20 [REDACTED]

21 [REDACTED]

22 [REDACTED]

23 DOB: [REDACTED]

24 RAMPP can testify she heard a transformer blow sometime before 10:00 P.M. A short
25 time later she saw a fire on the hill in the area of Bennett Lane.

26

27 W26

28 Jan RISI (J. RISI)

29 [REDACTED]

30 [REDACTED]

31 [REDACTED]

1 J. RISI was with her husband, R. RISI, when they left their residence after being told by
2 S. THOMPSON there was a fire off Bennett Lane. J. RISI can testify to her
3 observations when she left her residence.

4
5 W27

6 Peggy OKELLY

7 [REDACTED]
8 [REDACTED]
9 [REDACTED]

10 DOB: [REDACTED]

11 OKELLY can testify that on October 8, 2017 she saw the fire backing towards her
12 residence sometime after 10:00 P.M.

13
14 W28

15 Theresa JACKSON

16 [REDACTED]
17 [REDACTED]

18 DOB: [REDACTED]

19 [REDACTED]

20 JACKSON can testify she was at 3468 Hwy 128 on October 8, 2017, and at
21 approximately 9:55 P.M., she walked to the south side of the residence and saw the hill
22 on fire above the pig farm at 3452 Hwy 128 ([REDACTED] residence).

23
24 W29

25 Larry ANDERSON

26 [REDACTED]
27 [REDACTED]

28 DOB: [REDACTED]

29 [REDACTED]

30 ANDERSON can testify he observed fire on the hillside west of Bennett Lane, south of
31 1177 Bennett Lane, sometime after 10:05 P.M. on night of October 8.

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1

2 W30

3 Anthony Morgan PERLISS

4 [REDACTED]

5 [REDACTED]

6 DOB: [REDACTED]

7 [REDACTED]

8 PERLISS can testify that between 9:00 P.M. and 10:00 P.M., on October 8, 2017, he
9 was at home and noticed the lights flicker 2 to 3 times. At approximately 10:10 P.M.
10 PERLISS went outside and while in the driveway looking south, he observed a glow
11 toward the pergola, south of the residence. Shortly after, he observed fire south of a
12 pergola below his house, burning low to the ground with little to no flames. He notified
13 his girlfriend about the fire at 10:37 P.M.

14

15 W31

16 Dan HICKMAN (D. HICKMAN)

17 [REDACTED]

18 [REDACTED]

19 DOB: [REDACTED]

20 [REDACTED]

21 D. HICKMAN can testify he was home on the evening of October 8, 2017. While
22 outside around 9:30 P.M., he heard a pop or explosion and was aware of a light above
23 him to the north. He estimated the light occurred between 9:27 and 9:28 P.M. He didn't
24 look north to see what it was.

25

26 W32

27 Cigi Glynn RICH

28 [REDACTED]

29 [REDACTED]

30 [REDACTED]

31 DOB: [REDACTED]

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1 RICH can testify she first saw a fire on October 8, 2017 at approximately 9:45 P.M.,
2 across the valley from where she lived. RICH also took pictures of what she could see
3 from the deck of her residence.

4
5 W33

6 Jordan JEFFERIES (J. JEFFERIES)

7 [REDACTED]
8 [REDACTED]
9 J. JEFFERIES lives with RICH, can testify he first saw a fire on October 8, 2017 at
10 approximately 9:45 P.M., across the valley from where he lives.

11
12 W34

13 Eric JEFFERIES (E. JEFFERIES)

14 Father of J. JEFFERIES

15 [REDACTED]
16 [REDACTED]
17 DOB: [REDACTED]
18 [REDACTED]

19 E. JEFFERIES can testify he was at [REDACTED] Bennett Lane, and in bed on the evening of
20 October 8, 2017, when he noticed light coming through his window at 9:44 P.M. He got
21 out of bed and observed the fire.

22
23 W35

24 Charles Milton DARRALL (C. DARRALL)

25 [REDACTED]
26 [REDACTED]
27 [REDACTED]
28 DOB: [REDACTED]

29 C. DARRALL can testify he heard a boom at approximately 10:15 P.M. and saw a glow
30 in the area of Bennett Lane.

1 W36

2 Shannon Lynn DARRALL (S. DARRALL)

3 [REDACTED]
4 [REDACTED]
5 [REDACTED]

6 DOB: [REDACTED]

7 S. DARRALL can testify she heard a boom at approximately 10:15 P.M. and saw a glow
8 in the area of Bennett Lane.

9

10 W37

11 Charlie BROWN JR.

12 [REDACTED]
13 [REDACTED]
14 DOB [REDACTED]
15 [REDACTED]

16 BROWN JR can testify the electrical wiring leading from the house at 1200 Bennett
17 Lane to the viewing platform on the property was not active and has not been in use for
18 years.

19

20 W38

21 Katie SERENI

22 [REDACTED]
23 [REDACTED]
24 DOB: [REDACTED]

25 SERENI can testify she observed a limb catch fire on powerlines adjacent to her
26 residence at [REDACTED] Lerner Drive prior to the Tubbs fire. The limb was extinguished and
27 there was no fire spread.

28

29 W39

30 Robert TRUMBALL

31 PG&E

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1 77 Beale Street
2 P.O. Box 415-973-1000
3 San Francisco, CA 94177
4 TRUMBALL assisted in the removal of smart meters on Bennett Lane.
5
6 W40
7 Daniel DAVIS
8 PG&E
9 77 Beale Street
10 P.O. Box 415-973-1000
11 San Francisco, CA 94177
12 DAVIS assisted in the removal of smart meters on Bennett Lane.
13
14 W41
15 Lee Palmer
16 Deputy Director, Safety and Enforcement Division
17 California Public Utilities Commission
18 505 Van Ness Avenue
19 San Francisco, CA 94102
20 415-703-2369
21 PALMER was present at 1128 Bennett Lane on October 23, 2017 and observed the
22 collection of PG&E equipment by CAL FIRE investigators.
23
24 W42
25 Raymond Cho
26 Utilities Engineer, Electric Safety Reliability Branch
27 505 Van Ness Avenue
28 San Francisco, CA 94102
29 415-703-2236
30 CHO was present at 1128 Bennett Lane on October 23, 2017 and observed the
31 collection of PG&E equipment by CAL FIRE investigators.

1
2 W43

3 James P FRANTZ

4 Frantz Law Group

5 3558 Round Barn Blvd, Suite 215

6 Santa Rosa, CA 95403

7 707-239-6316

8 FRANTZ can testify to two separate accounts of alternative origin areas for the Tubbs
9 Fire, determined by outside investigators.

10
11 Attachment E, Vicinity Map, identifies the location of witnesses and their proximity to
12 1128 Bennett Lane.

13
14 **INVESTIGATORS:**

15
16 John MARTINEZ (MARTINEZ)

17 CAL FIRE, Battalion Chief

18 6059 Hwy 9

19 Felton, CA 95018

20 831-254-1720

21
22 Mark FRITS

23 CAL FIRE, Battalion Chief

24 604 Antelope Blvd.

25 Red Bluff, CA 96080

26 530-528-5199

27
28 Mike THOMPSON (M. THOMPSON)

29 CAL FIRE, Battalion Chief

30 6105 Airport Road

31 Redding, CA 96002

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1 530-226-3477
2
3 Scott LOHSE
4 CAL FIRE, Fire Captain
5 604 Antelope Blvd.
6 Red Bluff, CA 96080
7 530-528-5199
8
9 Vince BERGLAND
10 CAL FIRE, Battalion Chief
11 1234 E. Shaw
12 Fresno, CA 93710
13 559-243-4115
14
15 Greg ROATH
16 CAL FIRE, Fire Captain
17 1809 Fairlane Road
18 Yreka, CA 96097
19 530-842-3516
20
21 Matt FRANKLIN
22 CAL FIRE, Fire Captain
23 3800 N. Sierra Way
24 San Bernardino, CA 92405
25 909-881-6922
26
27 Jeremy MONROE
28 CAL FIRE, Deputy Chief
29 Sacramento Headquarters
30 State Threat Assessment Center (STAC)
31 916-636-2920
LE80 (Rev. 7/2011)



1

2 Darren STEWART

3 CAL FIRE, Fire Captain

4 875 Cypress Avenue

5 Redding, CA 96001

6 530-225-2421

7

8 Kyle STEIS

9 CAL FIRE, Fire Captain

10 2210 West College Avenue

11 Santa Rosa, CA 95401

12 707-576-2341

13

14 Brandon BERTOLINO

15 CAL FIRE, Fire Captain

16 2210 West College Avenue

17 Santa Rosa, CA 95401

18 707-339-6618

19

20



5 - EVIDENCE:

A series of photographs were taken and are included in the attachments section D. Original photographs are stored as evidence on various media (DVD/SD card/thumb drive).

A series of photographs were collected from witnesses and are contained as attachments (see attachment D).

A series of video clips from fixed cameras and cellular phone was provided to and collected by investigators. Video clips have been placed on a thumb and stored as evidence.

Physical items of evidence were collected from the scene by Investigators. Refer to evidence log for a list of items collected (see attachment F).

6 – CONDITION(S):**Weather:**

Weather was not recorded by on scene resources the night of October 8, due to all responding resources commitment to the ongoing and developing fire emergency. For this reason weather conditions were extracted from two CAL FIRE weather stations in the area. Below are summaries of the Atlas Peak Remote Automated Weather Station (RAWS) and the Santa Rosa RAWS for October 8, 2017. The Atlas Peak weather station is at an elevation of 1934 feet and approximately 21 miles southeast from the Tubbs Fire origin. The Santa Rosa weather station is at an elevation of 576 feet and approximately 10 miles southwest from the Tubbs Fire origin. On October 8, 2017 at 9:00 P.M. the temperature at the Atlas Peak RAWS was 62 degrees, winds were out of the north/northeast at 13 mph with gusts to 30 mph. On October 8, 2017 at 9:00 P.M. the temperature at the Santa Rosa RAWS was 62 degrees, winds were out of the northeast at 15 mph with gusts to 41 mph.

Atlas Peak California

Daily Summary for

8-Oct-17

Hour of Day Ending at L.S.T.	Total Solar Rad. ° ly.	Wind			Air Temperature Mean Deg. F.	Fuel Temperature Mean Deg. F.	Fuel Moisture Mean Percent	Relative Humidity Mean Percent	Dew Point Deg. F.	Wet Bulb Deg. F.	Total Precip. inches
		Ave. mph	V. Dir. Deg	Max. mph							
1:00 AM	0	4	32	10	63	60	6.3	43	40	50	0
2:00 AM	0	5	26	8	63	60	6.8	45	41	51	0
3:00 AM	0	6	34	12	62	59	7	43	39	49	0
4:00 AM	0	4	68	13	61	58	7.1	39	36	48	0
5:00 AM	0	5	48	16	61	58	7.1	36	34	47	0
6:00 AM	0.3	6	49	13	62	58	7.3	35	34	47	0
7:00 AM	9.4	5	4	12	65	62	7.2	29	32	48	0
8:00 AM	26.8	8	359	14	65	68	7.2	29	32	48	0
9:00 AM	43.3	7	18	20	69	74	6.4	23	30	49	0
10:00 AM	56.9	10	12	21	71	77	6	21	29	49	0
11:00 AM	65.3	9	28	21	74	84	5.3	14	22	49	0
12:00 PM	68.5	10	20	23	74	84	4.7	13	20	48	0
1:00 PM	66.5	10	31	19	74	84	4.2	13	20	48	0
2:00 PM	58.8	10	30	21	74	83	3.9	14	22	49	0
3:00 PM	46.2	8	11	20	73	81	3.6	14	21	48	0
4:00 PM	30.3	5	5	18	71	76	3.5	15	21	47	0
5:00 PM	12.3	8	344	16	67	67	3.5	16	19	45	0
6:00 PM	0.4	9	0	19	64	62	3.7	16	17	43	0
7:00 PM	0	13	1	26	65	62	3.7	16	18	44	0
8:00 PM	0	11	29	32	64	62	3.7	15	15	43	0
9:00 PM	0	13	21	30	62	60	3.7	17	17	42	0
10:00 PM	0	13	14	28	62	59	3.9	16	15	42	0
11:00 PM	0	17	7	31	61	59	3.9	15	13	41	0
12:00 AM	0	14	18	32	60	58	3.9	16	14	41	0

1
2

Santa Rosa California

Daily Summary for

8-Oct-17

Hour	Total				Air	Fuel	Fuel	Relative			
of Day	Solar	Wind			Tempera	Tempera	Moisture	Humidity	Dew	Wet	Total
Ending at	Rad.	Ave.	V. Dir.	Max.	ture	ture	Mean	Mean	Point	Bulb	Precip.
L.S.T.	° ly.	mph	Deg	mph	Mean	Mean	Mean	Mean	Deg. F.		inches
					Deg. F.	Deg. F.	Percent	Percent			
1:00 AM	0	3	12	10	58	55	6.7	64	46	51	0
2:00 AM	0	5	355	13	57	54	7.1	62	44	50	0
3:00 AM	0	4	12	14	56	54	7.4	61	43	48	0
4:00 AM	0	2	39	11	55	53	7.8	61	42	48	0
5:00 AM	0	6	4	14	56	53	8.1	58	41	48	0
6:00 AM	0.2	5	358	10	55	52	8.4	59	41	47	0
7:00 AM	7.2	2	303	11	59	60	8.5	52	41	49	0
8:00 AM	21.5	2	236	8	64	70	8.9	47	43	52	0
9:00 AM	34.1	3	286	9	69	79	8.7	36	41	53	0
10:00 AM	47.7	4	256	7	73	85	8	31	41	54	0
11:00 AM	55.9	4	233	9	77	89	7.3	27	40	56	0
12:00 PM	59.3	14	68	24	82	88	7.2	9	18	51	0
1:00 PM	56	8	65	19	84	94	6	6	10	51	0
2:00 PM	51	8	52	22	84	86	5.9	4	1	49	0
3:00 PM	30.3	7	47	16	83	85	5.4	5	5	50	0
4:00 PM	25.1	11	62	24	79	81	4.9	9	15	49	0
5:00 PM	9.4	10	55	27	75	73	4.7	12	19	48	0
6:00 PM	0.3	6	55	23	72	69	4.6	13	18	47	0
7:00 PM	0	5	37	21	72	68	4.6	14	20	47	0
8:00 PM	0	11	48	30	72	69	4.6	12	17	47	0
9:00 PM	0	15	52	41	71	69	4.6	11	14	46	0
10:00 PM	0	14	41	40	71	69	4.5	11	14	46	0
11:00 PM	0	24	58	51	70	69	4.5	11	13	45	0
12:00 AM	0	24	59	53	70	69	4.4	11	13	45	0



1 **7 – EQUIPMENT:**

2

3 Pacific Gas & Electric (PG&E) and privately owned electrical equipment was collected
4 as evidence. Refer to evidence log (see attachment F) for a list of items collected.

5

8 - PROPERTY:

The Tubbs Fire originated on the following property:

APN: 017-120-005-000

Address: 1128 Bennett Lane, Calistoga, CA 94515

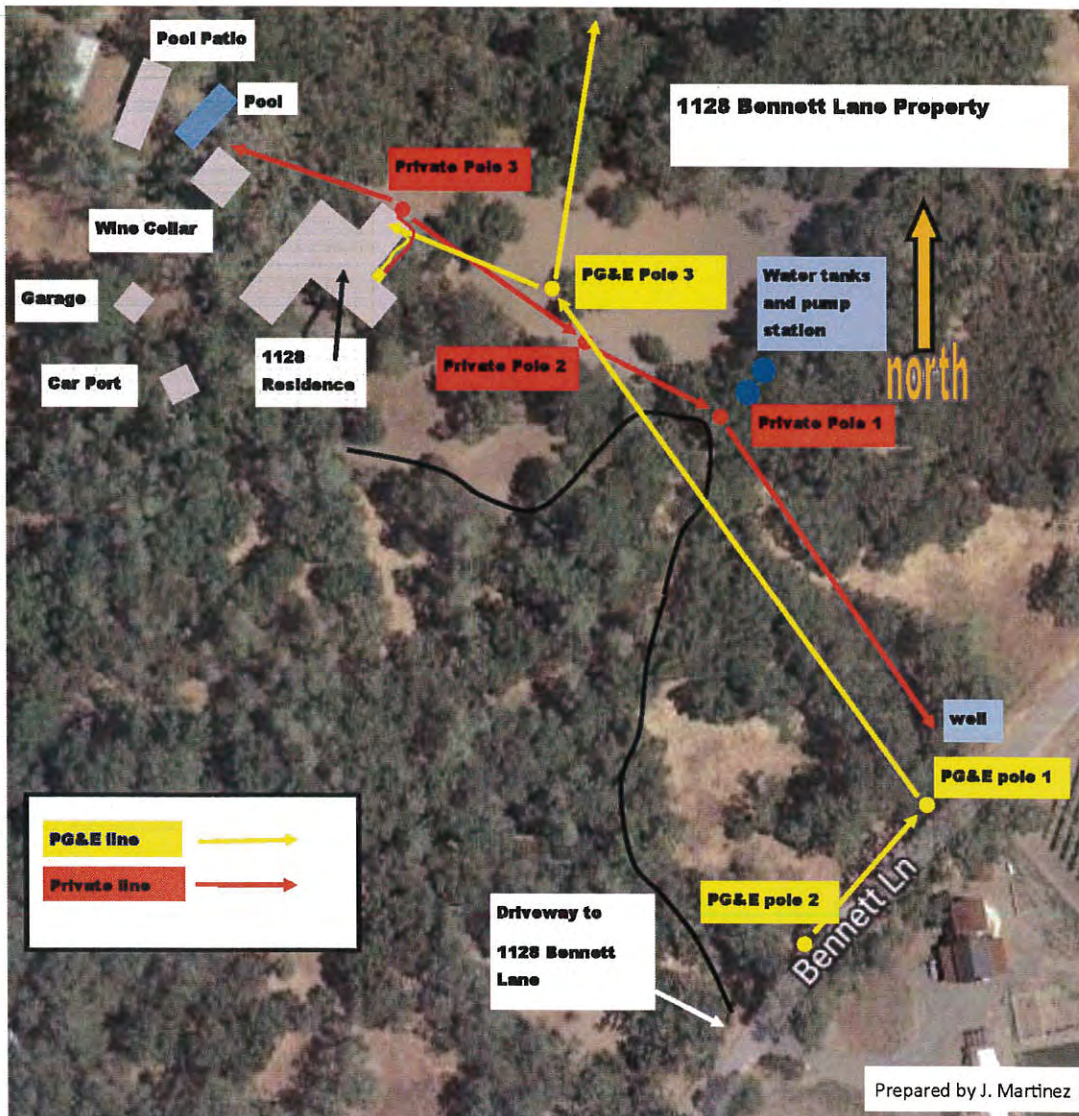
Owner: [REDACTED]

Mailing Address: [REDACTED]

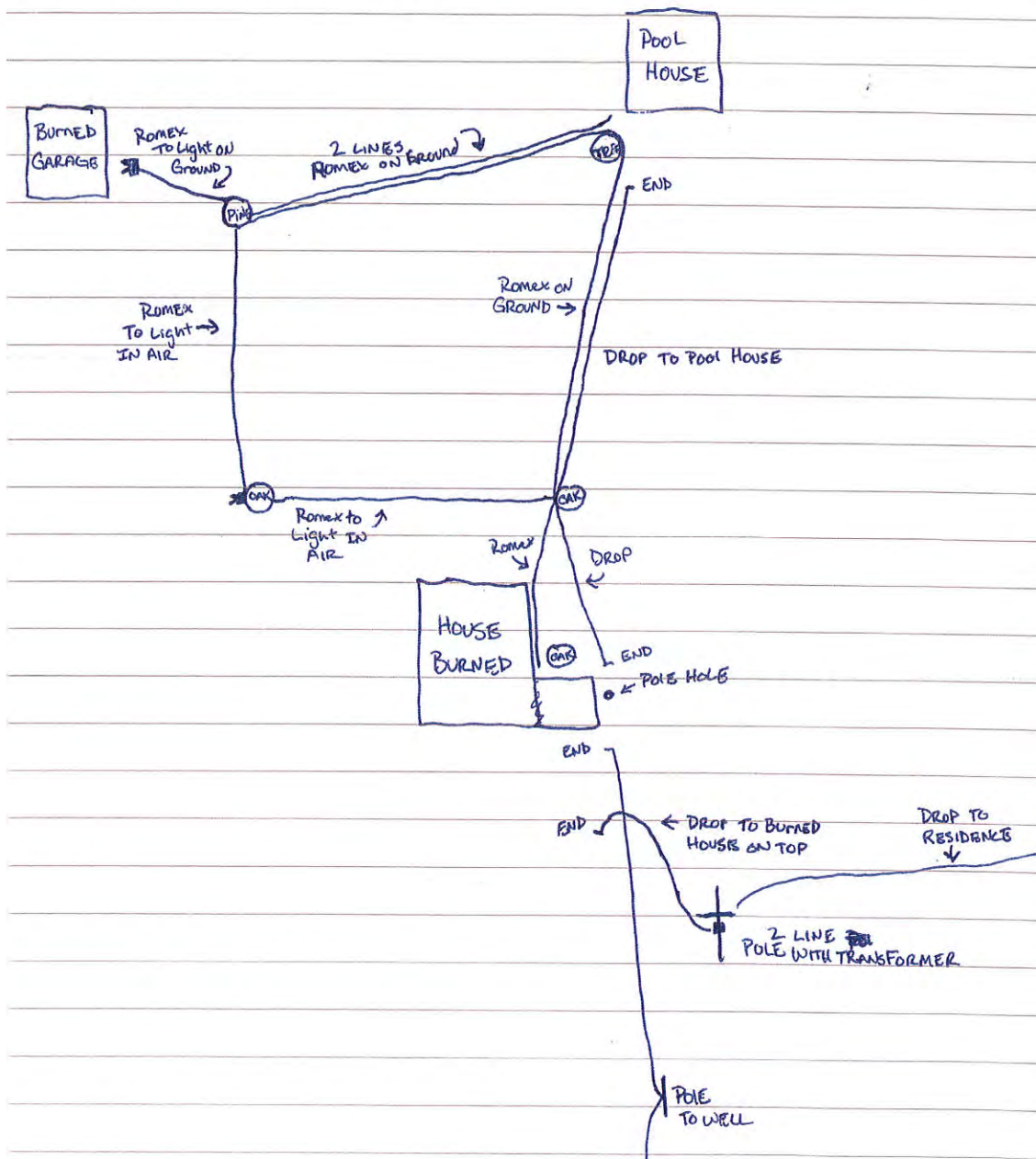
The 1128 Bennett Lane property is an approximately 10.5-acre parcel situated in Napa County, approximately three miles north of Calistoga. Bennett Lane can be accessed from both Hwy 128 and Tubbs Lane. The entrance to the property is from a paved driveway off Bennett Lane identified by an address marker labeled "1128." The surrounding area is rural residential setting and homes on larger parcels surrounded by mixed oak and conifer woodlands and vineyards. The 1128 Bennett property is largely undeveloped except for the upper slopes where the residence and associated outbuildings were located. The driveway continues up a south facing slope through oak woodlands, until it reaches a large one-half acre clearing below and east of the primary residence. Within the clearing, there are scattered conifers and oaks and little to no ground vegetation. Also within the clearing are both PG&E and privately owned utility poles.

The driveway continues past the cleared area and leads to the upper elevation of the property (approximately 550-foot elevation) where the residence and associated structures sit on top of a hill. The primary residence is located at the end of the driveway. Northwest of the residence is a wine cellar with an attached bedroom. Immediately west of the wine cellar is a swimming pool with an attached open construction pool patio. West of the residence is an open carport and garage. According to accessor parcel data, the residence was built in 1946. The electrical distribution associated with the property includes PG&E service from Bennett Lane uphill to the residence, by service drop to a weather head on the roof. From there, exterior conduit connects to the meter. From the meter, conduit carries conductor to a

1 privately-owned power pole (private pole 3). From private pole 3, conductor extends
2 north west towards the wine cellar and pool patio. Additionally, from private pole 3,
3 conductor extends southeast towards private pole 2, then to private pole 1 where the
4 water tanks and pump station are located. From private pole 1, conductor extends
5 downhill where it ties into a well next to Bennett Lane. The graphic below includes a
6 general representation of the developed property at 1128 Bennett Lane with a general
7 schematic of the electrical system.



The graphic below includes a general representation of the private electrical system at 1128 Bennett Lane prepared by ROATH.



9 - NARRATIVE:

On the evening of Sunday, October 8, 2017, a red flag warning was in effect throughout the North Bay including Napa County. Temperatures that evening were in the 60's to lower 70's, with humidity in the 10-18% range. Wind models prepared by CAL FIRE Northern Operations predictive services later estimated ridgetop winds could have reached 55 to 90 mph (see attachment A). At approximately 9:41 P.M., M. HICKMAN, a resident of Calistoga, CA reported a fire occurring in the area of Hwy 128 and Tubbs Road (see attachment B). The fire was named the Tubbs Fire and eventually burned 36,807 acres in both Napa and Sonoma Counties and destroyed 5636 structures including 4651 residential structures, 94 commercial properties and 891 outbuildings. The fire damaged an additional 230 residential structures, 22 commercial structures and 65 outbuildings (see attachment C). The Tubbs Fire included 22 civilian fatalities.

Monday October 9, 2017

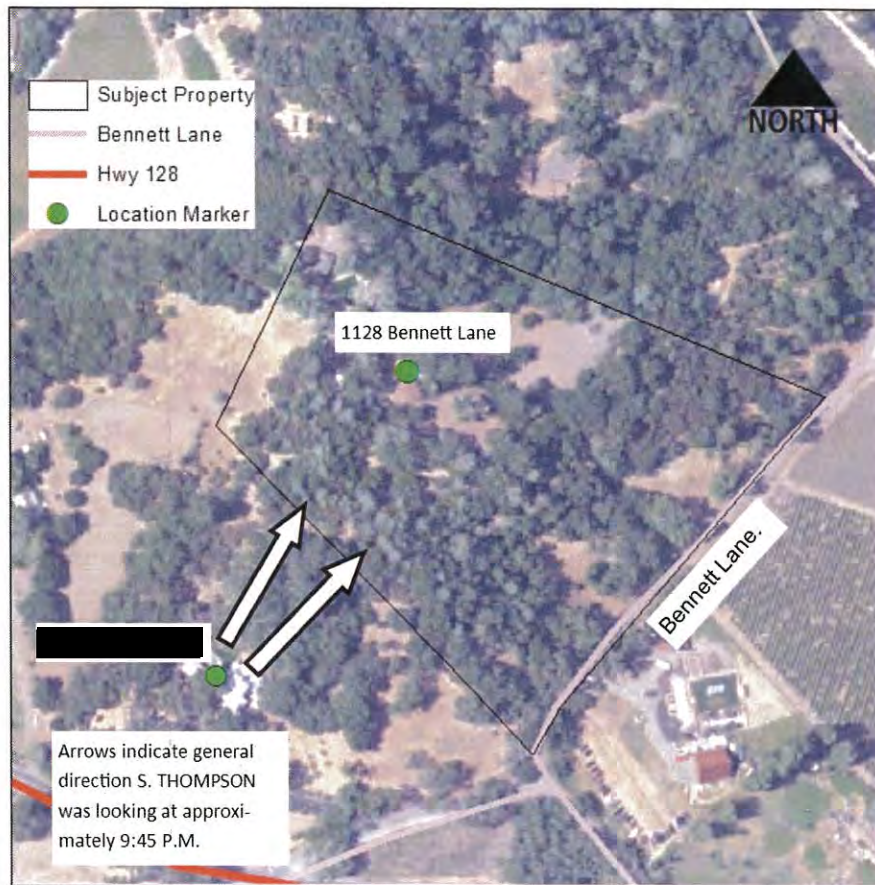
On Monday, October 9, 2017 at approximately 1:00 A.M., CAL FIRE Battalion Chief Mark FRITS responded from Red Bluff to the Tubbs Fire to conduct an origin and cause investigation. Due to the high number of fires in Sonoma and Napa Counties, there were no local Investigators available to respond to the Tubbs Fire on the evening of October 8, 2017. FRITS arrived in the area of Bennett Lane and Hwy 128 at approximately 9:20 A.M., when he began walking and observing fire pattern indicators along Bennett Lane. Sometime after 9:20 A.M., FRITS was contacted by Ron RISI (R. RISI) who lives at [REDACTED]. The following is a summary of his conversation with R. RISI (see attachment G, FRITS):

R. RISI was contacted by his neighbor Shawn THOMPSON (S. THOMPSON) sometime after 9:00 P.M., who told him there was a fire and to get out of the house. R. RISI exited his property and turned north on Bennett Lane. R. RISI noticed the fire was to the south of his residence on the west side of Bennett Lane. He could not confirm how far down on Bennett Lane or how close to his residence the fire was.

1 While on Bennett Lane north of the 1128 Bennett Lane driveway, FRITS observed what
2 he thought to be a Pacific Gas & Electric (PG&E) pole next to a fence with PG&E
3 conductor running uphill. He also observed an oak tree with a junction box with
4 conductor running uphill. Not knowing an origin area yet and with limited witnesses, he
5 chose to flag off an area approximately 15-feet by 15-feet surrounding the pole and
6 fence line to maintain the scene integrity should it prove to be of significance
7 (Photograph P-JM-MF-25). FRITS observed backing indicators showing the fire was
8 spread downhill on the west side of Bennett Lane in the area of the 1128 Bennett Lane
9 driveway. When FRITS came to the 1200 Bennett Lane, he made his way up the
10 driveway where he observed fire pattern indicators including angle of char on stumps of
11 trees indicating the fire was backing against the wind towards the residence. Between
12 the 1128 and 1200 Bennett Lane driveways FRITS observed fire patterns indicating the
13 fire backed into the wind from the southeast of the cleared area near the driveway of
14 1128 Bennett Lane. FRITS observed advancing fire pattern indicators to the southwest
15 of the 1128 Bennett Lane driveway. While on Bennett Lane, FRITS was contacted by
16 S. THOMPSON who lives at [REDACTED] S. THOMPSON told FRITS the
17 following in summary (see attachment G, FRITS):
18

19 S. THOMPSON was sleeping at his residence at approximately 9:45 P.M., when he was
20 woken up by his smoke alarms going off. He observed the fire burning toward the back
21 of his house from the northeast.
22

23 The 1128 Bennett Lane property is the next adjoining property to the northeast from the
24 S. THOMPSON property. A fire spreading towards the S. THOMPSON residence from
25 his description would likely have come from or passed through the 1128 Bennett Lane
26 property. The graphic below, prepared by MARTINEZ, is a representation, based on
27 the witness statement, showing where the witness was and what direction he was
28 looking.



1
2 FRITS then spoke with Roger LUTZ (R. LUTZ) who works for the Deer Park Volunteer
3 Fire Department at Station 21. R. LUTZ told FRITS the following in summary (see
4 attachment G, FRITS):

5
6 R. LUTZ arrived on scene on Engine 221 and began cooling down power poles on the
7 west side of Bennett Lane working towards the north. He worked to the driveway of
8 1200 Bennett Lane and the fire had not yet spread north to the driveway. When he
9 accessed the residence at 1200 Bennett Lane, the fire was backing downhill from the
10 southeast toward the rear of the residence. The fire was also backing to the northeast
11 on the northwest side of the driveway. Once the fire became established in the draw
12 below the residence he left the scene. R. LUTZ was provided a LE-78 witness
13 statement which he completed on October 9, 2017 (see attachment H).

14
15 The 1128 Bennett Lane property is the first adjoining property to the south of 1200

1 Bennett Lane. A fire spreading northeast towards 1200 Bennett Lane would likely have
2 come from or passed through the 1128 Bennett Lane property.

3
4 While at the intersection of Bennett Lane and Hwy 128, FRITS spoke with Calistoga
5 Fire Department Fire Captain Jason TAMAGNI, assigned to Engine 419, who told him
6 the following (see attachment G, FRITS):

7
8 TAMAGNI told FRITS when he arrived at scene on October 8, 2017, that the fire was
9 spreading from the north of Bennett Lane to the south of Hwy 128 at a rapid rate of
10 spread. TAMAGNI completed a LE-78 witness statement on October 9, 2017. Also
11 present with TAMAGNI on the engine was Jaime OROZCO who also provided a LE-78
12 witness statement (see attachment H).

13
14 FRITS continued observing fire pattern indicators on the north side of 1110 Bennett
15 Lane. There, he observed fire patterns, indicating the fire advanced toward the south
16 and rear of the residence. FRITS continued observing advancing fire pattern indicators
17 leading him to the partially fire damaged carport on the 1128 Bennett Lane property.

18
19 On October 9, 2017, at approximately 11:00 A.M., I was dispatched to the Sonoma
20 Lake Napa Unit (LNU) to assist the Unit in a manner which was not yet determined
21 when I responded.

22
23 On October 9, 2017 at approximately 2:30 P.M., I arrived in Napa County and
24 responded to the Tubbs Fire where I contacted FRITS, who was continuing his
25 investigation and had yet to determine a General Origin Area (GOA) for the fire. FRITS
26 briefed me verbally on the witness statements provided by R. RISI, S. THOMPSON, R.
27 LUTZ, and TAMAGNI, which placed the fire origin north of 1110 Bennett Lane and
28 southwest of 1177 Bennett Lane. Based on the initial witness statements, FRITS
29 hypothesized the fire may have originated from the 1128 Bennett Lane property.

30 I walked the fire edge with him and discussed the reasons for his determination. I
31 observed fire pattern indicators such as angle of char, curling, and white ash

1 accumulation on the protected side (due to high winds), indicating the fire generally
2 backed down slope, against the wind towards the west side of Bennett Lane, in a
3 northeast direction. I also observed advancing fire pattern indicators south of the
4 residence, above 1110 Bennett Lane. Angle of char and needle freeze could be
5 observed in the canopies of pine trees and on lower ground vegetation. These
6 observations are consistent with S. THOMPSONS statement describing the fire
7 advancing from the 1128 Bennett Lane towards his residence at [REDACTED] Bennett Lane. It
8 was still very early in the investigation and FRITS and I were still becoming familiar with
9 the overall area based on limited witness statements and had not taken any
10 photographs or placed any colored pin flags identifying fire pattern indicators observed.

11
12 After considering FRITS' initial observations, early witness statements and my own
13 observations, I concurred the GOA was likely located on or adjacent to the property
14 identified as 1128 Bennett Lane. FRITS flagged the entrance to the driveway of 1128
15 Bennett Lane. FRITS included 1110 Bennett Lane because of its proximity to 1128
16 Bennett Lane. Both driveways were secured with yellow flagging labeled "DO NOT
17 ENTER".

18
19 FRITS and I designated an approximate one-half acre dirt field adjacent to the 1128
20 Bennett Lane pump station, as a parking and meeting location. The field was void of
21 ground vegetation and parking vehicles in it would not impact the investigation. There
22 was no private security available to keep people off the property, so FRITS remained at
23 1128 Bennett Lane overnight. Starting on October 10, 2017 and throughout the entirety
24 of the investigation, Brothers In Arms Security maintained scene security, and were
25 instructed to not allow anyone access, from the time the investigation team left in the
26 evening until they returned the next morning, each day until investigators released the
27 scene at approximately 5:00 PM on October 25, 2017. Each and every morning, it was
28 confirmed with the security guard that no persons had entered the property between the
29 time the investigation team left and returned.

30
31 **Tuesday October 10, 2017**

LE80 (Rev. 7/2011)

34

Officer Initials



1
2 On Tuesday, October 10, 2017, I returned to 1128 Bennett Lane, arriving at
3 approximately 8:00 A.M. I met with FRITS and we began placing fire pattern indicator
4 flags. Colored pin flags were placed at the observed fire pattern indicators, including
5 red for advancing fire, blue for backing and yellow for lateral spread. Photographs
6 referenced in this section were not taken until later, however, they have been used to
7 reference our observations. FRITS and I entered the burned area on the hillside on the
8 northside of Bennett Lane and walked parallel to the road. I observed fire pattern
9 indicators showing fire backing downhill towards Bennett Lane in a northeast trending
10 direction. This was evident from cupping (see attachment D, MARTINEZ photograph: P-
11 JM-108), ash accumulation on leeward side (see attachment D, MARTINEZ
12 photograph: P-JM-112), leaf curling and staining on rocks (see attachment D,
13 MARTINEZ photograph: P-JM-107). Also observed was needle freeze angled towards
14 the southwest indicating strong winds out of the northeast. These fire pattern indicators
15 were consistent along the bottom of the hillside as well as continuing uphill towards the
16 1128 Bennett Lane residence. We walked back and forth along the hillside while
17 working uphill in a serpentine pattern, observing fire pattern indicators until we arrived at
18 a developed area containing a water pump station, near where we had parked. The
19 developed area was along the right side of the 1128 Bennett Lane driveway,
20 approximately two-thirds up towards the residence. Within the developed area next to
21 the driveway I observed (2) water tanks and water pump system (pump station). One
22 was a newer looking water tank and pump and one was as an older looking cement
23 tank. In addition, I observed a 4-inch by 4-inch wooden post approximately 6-feet in
24 height with (2) grey metal electrical boxes attached to it, one approximately 6-inches by
25 8-inches, and the other approximately 12-inches by 18-inches. Approximately 30-feet
26 away there was a utility pole (private pole 1), which didn't appear to be a PG&E pole
27 due to its appearance. The conductor associated with the pole did not appear
28 professionally installed (see attachment D, MARTINEZ photograph: P-JM-35). The pole
29 did not appear to be related to the PG&E pole 3 observed in the cleared area to the
30 west where our vehicles were parked. The conductor from private pole 1 continued
31 downhill towards Bennett Lane and uphill towards the 1128 Bennett Lane residence.

1 The conductor which extends downhill towards Bennett Lane connects to a switch box
2 on an oak tree where it appeared to provide power to an old well. This area was
3 flagged off earlier by FRITS on October 9 prior to identifying fire burn patterns in the
4 area.

5
6 There were various lengths of conductor and structural wiring associated with the
7 wooden post and private pole 1, much of it under tension from a tree which had fallen in
8 the immediate area. Fire behavior in this area appeared to be low intensity (see
9 attachment D, MARTINEZ photograph: P-JM-42), with the exception being the wooden
10 post and private pole 1. The lower half of the wooden post was partially burned,
11 however the section of post near the electrical boxes was heavily charred (see
12 attachment D, MARTINEZ photograph: P-JM-19). An oak tree had fallen on the post
13 breaking it just below the electrical box. Closer examination of the tree indicated it had
14 fallen after the fire, due to the absence of any fire damage to the tree, specifically
15 undamaged foliage in contact with the ground (see attachment D, MARTINEZ
16 photograph: P-JM-MF-64). The wooden post and electrical boxes were discussed as
17 potential competent ignition sources, and were candidates to be reviewed by an
18 electrical engineer. Observations by an electrical engineer will be discussed later.

19
20 We walked south from the clearing where we parked, along the edge of the property
21 where it broke in slope and noted advancing fire pattern indicators such as angle of char
22 and needle freeze on pine trees, below the carport and to the area immediately to the
23 east, indicating fire progression from the north, in line with the winds the night of the fire
24 (see attachment D, MARTINEZ photograph: P-JM-127). This is consistent with S.
25 THOMPSONS witness statement. We then walked the area north of the 1128 Bennett
26 Lane residence, in a serpentine pattern towards the 1200 Bennett Lane property and
27 observed fire pattern indicators on vegetation and rocks including angle of char, white
28 ash, and staining. These indicators showed the fire both backed and laterally moved
29 northwest behind the residence towards the wine cellar and pool area before backing
30 towards 1200 Bennett Lane.

1 FRITS and I considered the general fire pattern indicators in the area, and requested an
2 electrical engineer to review the electrical system at the water tanks and pump station.

3
4 FRITS and I considered this area as a possible GOA, however the surrounding property
5 had not yet been reviewed in detail. In order to maintain the integrity of the scene we
6 flagged off an area with yellow "do not enter" flagging approximately 50-feet by 50-feet
7 to include the pump station and private pole 1. At approximately 2:20 P.M., I
8 photographed both the perimeter and interior of the flagged area (see attachment D,
9 MARTINEZ photographs: P-JM-1 thru P- JM-25).

10
11 I began photographing the surrounding area, including Bennett Lane between Hwy 128
12 and the 1128 Bennett Lane property. (see attachment D, MARTINEZ photographs: P-
13 JM-MF-01 thru P-JM-MF-79).

14
15 At approximately 3:30 P.M. electrical engineer Marc RHODES arrived at 1128 Bennett
16 Lane. We were interested in having him do an initial examination of the area associated
17 with the pump station. RHODES said he didn't see anything that stood out to him, and
18 thought the electrical boxes were closed tight enough where, even if there was a
19 problem inside, it wouldn't have been hot enough to ignite the wooden post. RHODES
20 also inspected private pole 1 and the associated electrical conductor. RHODES
21 observed what he thought was evidence of arcing on a conductor near the top of the
22 pole on a section of conductor continuing downhill to Bennett Lane. Utilizing both
23 binoculars and a camera, we agreed there appeared to be a small piece of shiny
24 material on a section of conductor from the pole that continued downhill towards
25 Bennett Lane. I took photographs in an attempt to observe the material from the ground
26 (see attachment D, MARTINEZ photographs: P-JM-26 thru P-JM-35).

27
28 After inspecting private pole 1, we followed the conductor extending downhill to a
29 switchbox on a large oak tree next to Bennett Lane and near a roadside PG&E pole
30 (PG&E pole 1). I observed the switchbox on the oak tree to be in the "off" position.

31 RHODES inspected the box and confirmed it was in the off position (see attachment D,
LE80 (Rev. 7/2011)

MARTINEZ photograph: P-JM-cellular-05). The inside of the box was severely damaged from fire. RHODES left the scene at approximately 6:15 P.M. RHODES became unavailable and did not return to the scene or prepare a report.

Wednesday, October 11, 2017

On Wednesday, October 11, 2017, I returned to the 1128 Bennett Lane at approximately 8:00 A.M. Prior to my arriving at scene, FRITS drove to Wheeler Farms at 1240 Bennett Lane and spoke with Luis VARGAS. The following is a summary of the conversation:

VARGAS lives on the Wheeler Farms property at [REDACTED] Bennett Lane. On the evening of October 8, 2017 at an unknown time, VARGAS went outside his house and noticed fire to the south of Bennett Lane. The fire had not yet burned onto the Wheeler Farm. The wind was erratic and very gusty. VARGAS said the fire burned to the north on the east side of the property and then wrapped around the property to the west.

After meeting with VARGAS, FRITS returned to 1128 Bennett Lane and telephoned M. HICKMAN who told FRITS the following in summary (see attachment G, FRITS):

On the evening of October 8, 2017, M. HICKMAN was at her residence at [REDACTED] when her daughter told her she saw a bright light and then an orange glow through the window. M. HICKMAN looked out her bathroom window and she could see the fire through the trees to the north of her residence.

At approximately 1:30 P.M., FRITS was released from the Tubbs Fire due to a previously planned commitment. I was assigned the role of lead investigator for the Tubbs Fire.

CAL FIRE Battalion Chief Mike THOMPSON (M. THOMPSON) arrived at scene and assisted me with continuing the origin and cause investigation. I briefed M.

1 THOMPSON on the progress to date. We walked downhill in a serpentine pattern
2 between the pump station and Bennett Lane, observing fire pattern indicators. M.
3 THOMPSON inspected the switchbox on the oak tree and determined it was no longer
4 in service, and may have been related to an older system. After walking the powerlines
5 on the property, we determined the power supply for the newer pump station came
6 directly from the residence. The pump switch adjacent to the water tanks was in the
7 "on" position. Mike ANDREWS, the maintenance person for the property, later
8 confirmed the pump was always turned "on" and was operational.

9
10 At approximately 2:40 P.M. I took photographs of private pole 1 and the surrounding
11 area (see attachment D, MARTINEZ photographs: P-JM-36 thru P-JM-46).

12
13 We then continued identifying fire pattern indicators such as staining (see attachment D,
14 MARTINEZ photographs: P-JM-68 and P-JM-69) and protection (see attachment D,
15 MARTINEZ photographs: P-JM-70) within the flagged water tank/pump station area,
16 immediately north of the electrical boxes. We continued identifying fire pattern
17 indicators working our way from the edge of the flagged area in towards private pole 1
18 and the electrical boxes. Backing indicators such as cupping were observed adjacent to
19 the cement water tank (see attachment D, MARTINEZ photograph: P-JM-73).
20 Advancing indicators such as staining was observed south of the electrical boxes (see
21 attachment D, MARTINEZ photographs: P-JM-74 and P-JM-75). We noted the top of
22 private pole 1 had more fire damage than the lower portion (see attachment D,
23 MARTINEZ photographs: P-JM-35 thru P-JM-40). The high level of damage to private
24 pole 1 appeared out of place considering the low intensity burn to ground fuels in the
25 immediate area.

26
27 Fire pattern indicators were limited in the area, due to the approximate one-half acre
28 cleared area northwest of the pump station (see attachment D, MARTINEZ
29 photographs: P-JM-MF-43 thru P-JM-MF 44). Lack of fire pattern indicators in the
30 immediate area made it difficult to determine with complete certainty whether this was
31 the GOA. However, considering RHODES opinion of having observed possible arcing

1 on conductor associated with private pole 1, I had to include this area as a potential
2 GOA. Based on this, we discussed the need to have a second electrical engineer re-
3 examine both the electrical boxes and the conductor associated with private pole 1. I
4 requested through CAL FIRE Assistant Chief Shawn ZIMMERMAKER, a truck with a
5 boom so I could closely observe the conductor on private pole 1. I was advised a boom
6 truck would be available the next day.

7
8 **Thursday, October 12, 2017**
9

10 On Thursday, October 12, 2017, I returned to 1128 Bennett Lane at approximately 8:00
11 A.M. and continued working in the flagged area at the pump station. I photographed the
12 areas immediately surrounding the electrical boxes and private pole 1 (see attachment
13 D, MARTINEZ photographs P- JM-47 thru P-JM-79). CAL FIRE Fire Captain Scott
14 LOHSE arrived at the incident at 9:15 A.M. to assist with the investigation. He was
15 briefed on the investigation and then walked the property to become familiar with it and
16 to make independent observations.

17
18 At approximately 10:30 A.M. a Britton Tree Services, Inc truck with boom and crew
19 arrived on scene. Their truck was equipped with a bucket extension allowing me to
20 observe private pole 1. When they arrived on scene I briefed them on their assignment.
21 I assigned them to assist in the removal of the tree which had fallen on the electrical
22 boxes in the pump station area.

23
24 Using the tree service boom and bucket, I was lifted to private pole 1 and was able to
25 examine and photograph from a closer vantage point, (see attachment D, MARTINEZ
26 photographs P-JM-80 thru P-JM-88). I did not observe any obvious evidence of arcing
27 on any of the wiring associated with the pole. The "shiny" material identified earlier by
28 RHODES as possible evidence of arcing, appeared to be melted and discolored yellow
29 jacketed conductor, having the appearance of being shiny. It would later be collected
30 as evidence (evidence items E-35, E-36, and E-37).

At approximately 1:00 P.M. I photographed and took waypoints of colored fire pattern indicator pin flags placed by myself and FRITS (see attachment D, MARTINEZ photographs P-JM-91 thru P-JM-114, referenced earlier in report).

At approximately 5:00 P.M., I carefully searched the area immediately below the electrical box and post. As I searched the approximate 2-foot area surrounding the 4-inch by 4-inch post using a magnet, I located a small piece of golden colored metal. It did not appear to be melted. The metal piece, or wire fragment was found approximately 8 inches from the post, to the north. I photographed and collected the item as evidence (Evidence item "A"). Later, to be consistent with our overall evidence collection standards, it was renamed Evidence Item 38 (see attachment D, MARTINEZ photographs P-JM-116 and P-JM-117).

Friday, October 13, 2017

On Friday October 13, 2017, I returned to 1128 Bennett Lane at approximately 7:45 A.M. and met with LOHSE. I tasked LOHSE with contacting and interviewing potential witnesses to the incident. At approximately 9:15 A.M. I met with the CAL FIRE Light Detection and Ranging (LIDAR) team Survey Party Chief David KAROLY. I briefed KAROLY and his team on their assignment. I asked them to document our current scene, to include the flagged area, the associated PG&E and private utility poles and the southern aspect of the residence on the property. I asked them to capture as much of the north facing hill-side between the pump station and Bennett Lane, which would include the electrical system from the residence to Bennett Lane.

At 10:06 A.M., LOHSE contacted YANT by phone. YANT provided photographs via text message of when she received a report of the fire (see attachment D, LOHSE Photographs P-SL-332 thru P-SL-334).

At 10:23 A.M., LOHSE interviewed Susan SWENSON (S. SWENSON) via cellular phone. S. SWENSON is the daughter of Anne ZINK, the owner of the 1128 Bennett

1 Lane property. ZINK lives in Palm Springs and [REDACTED] S
2 SWENSON told LOHSE the following in summary (see attachment G, LOHSE):
3

4 S. SWENSON had not been on the property since September 3, 2017 and is unaware
5 of any problems associated with the property. ANDREWS is on the property at least
6 once per week to make sure everything is working properly and maintained. Duke
7 SWENSON (D. SWENSON) is the son of ZINK and also has access to the property. D.
8 SWENSON lives in Cupertino, CA and hasn't been to the property in one year.
9

10 At 12:49 P.M., LOHSE spoke with ANDREWS, who is the primary care taker for the
11 1128 Bennett Lane property and has been for 27 years. Some of his duties include
12 maintaining defensible space and the buildings on the property. He usually checks the
13 property once per week. ANDREWS entered the property the day after the fire, on
14 October 9, 2017 and took photographs using his cellular phone which he later provided
15 to LOHSE (see attachment D, LOHSE photographs: P-SL-319 thru P-SL-331).

16 ANDREWS noticed the 4-inch x 4-inch post associated with the pump electrical box, still
17 in a standing position when he was there on October 9. ANDREWS noted there were a
18 number of trees which had fallen after the fire had passed (see attachment G, LOHSE).
19 This was consistent with observations made at scene by investigators noting numerous
20 fallen trees with no burn damage to the tree surface in contact with the ground
21

22 While the LIDAR team did their work, LOHSE and I drove to the Lucinda YANT
23 residence at [REDACTED]. LOHSE had received digital photograph's taken by YANT
24 on October 8, 2017, taken at 9:51 P.M. (see attachment D, LOHSE photographs: P-SL-
25 332 through 334), showing the fire advancing from the northeast towards her residence.
26 LOHSE and I compared the photograph's taken at night with daytime conditions and
27 confirmed the photograph was taken from her porch and fire appeared to be advancing
28 from the northeast towards her residence (see attachment D, Witness photographs:
29 Photo Comparison 2 and 3). We observed fire pattern indicators such as needle freeze
30 and angle of char showing fire advancing from the slope below the 1128 Bennett Lane
31 property towards the YANT residence (see attachment D, MARTINEZ photographs: P-